



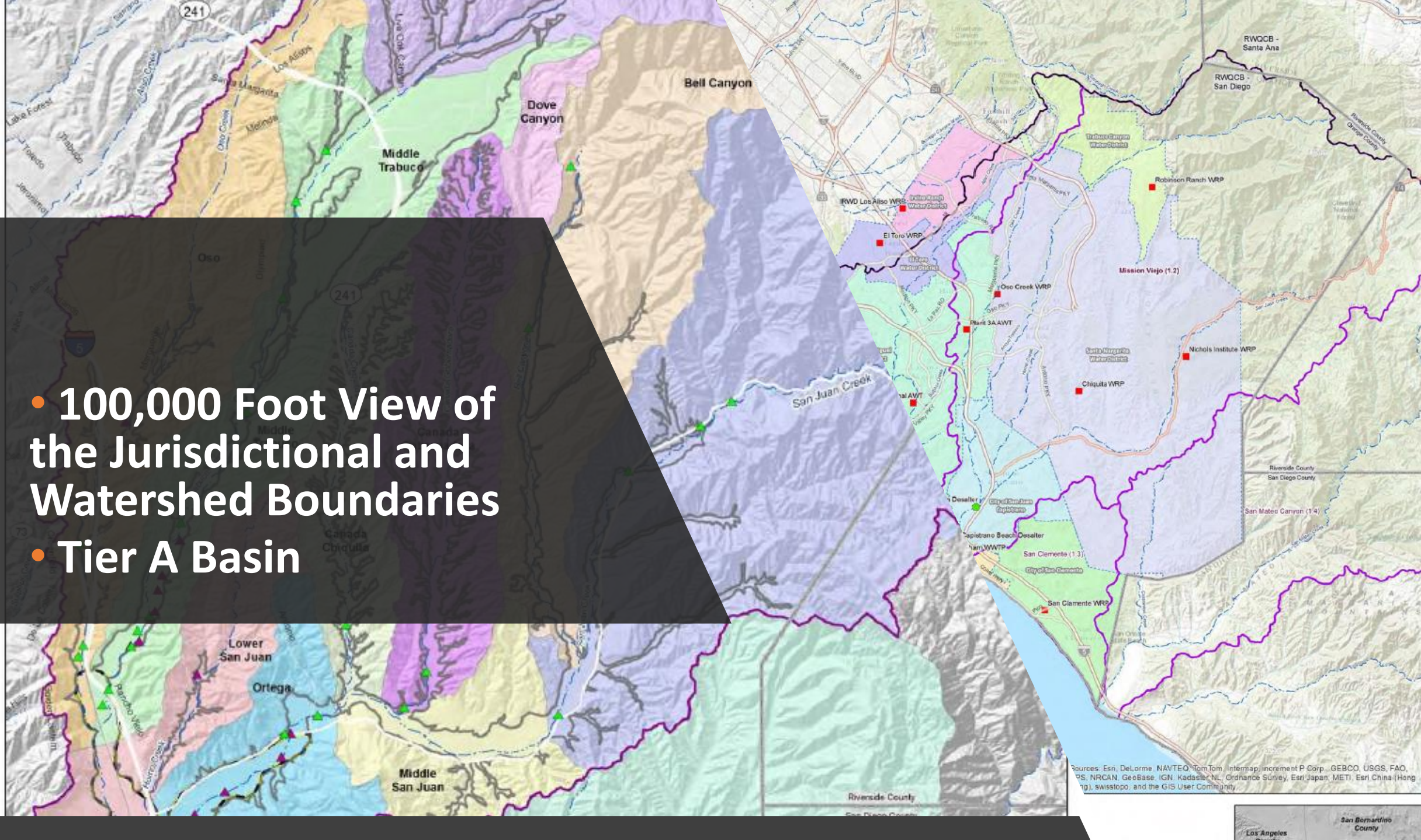
South Orange County Wastewater Authority

Salt and Nutrient Management Plan

2020 Update

Amber Baylor

- **100,000 Foot View of the Jurisdictional and Watershed Boundaries**
- **Tier A Basin**



Role Review

- **SOCWA Member Agencies** – Recycled Water Production and Distribution.
- **SJBA** – Local Water Supply Production and SNMP Monitoring.
- **SOCWA** – Legally Responsible Agency - Permittee
Order No. 97-52,
Triennial Review, and
SNMP.
- **San Diego Regional Water Quality Control Board** – Regulatory Oversight
Water Quality Control Plan, and
Implementation of Policies (Antidegradation & Recycled Water).

A field of black umbrellas with one yellow umbrella in the foreground.

Legislative Authority

The State Water Resources Control Board was established in 1967 by the Legislature.

GENERAL STATE POWERS OVER WATER

Water Code §13050

(f) “Beneficial uses”

(j) “Water quality control plan”

- (1) Beneficial uses to be protected.
- (2) Water quality objectives.
- (3) A program of implementation needed for achieving water quality objectives.

Recycled Water Policy Compliance

- 2009 SWRCB Recycled Water Policy (Resolution 2009-0011)

- SOCWA Compliance Actions:

2014 SNMP Submitted with Follow-Up Management Actions

- Implement Order No. 97-52 with the existing recycled water use volume and quality limitations.
- Pursue a Basin Plan Amendment for Middle Trabuco and Middle San Juan.
- Improve existing monitoring efforts by developing a cooperative watershed-wide groundwater and surface water monitoring program.
- Five-year update to evaluate compliance and iterative actions if needed.

Recycled Water Policy Compliance

- 2016 SWRCB SNMP and Stakeholder Engagement (Resolution 2016-0061)
 - Regional Boards shall consider for adoption the submitted SNMPs (Condition 7).
 - February 28, 2018 SOCWA requested approval of the SNMP, Monitoring Plan, and other management actions, compliant with the SWRCB Resolution.
- 2018 SWRCB Recycled Water Policy (Resolution 2018-0057)
 - SOCWA Actions:
 - SDRWQCB engagement regarding compliance under 2009 Policy.
 - 2020 SNMP Update to address requirements 2018 Recycled Water Policy: § 6.2.4.1 (Monitoring Plan), 6.2.4.3 (Assimilative Capacity), 6.2.4.4 (Implementation Measures), and 6.2.4.5 (Antidegradation)

Current and Next Steps

- Weekly standing calls with SDRWQCB (Triennial Review and SNMP Update Topic Focus)
- Task 3 – Update of Study Area
 - Submitted to the SDRWQCB
 - July 6, 2020 Meeting with the SDRWQCB staff
- Task 4 – Current Ambient and Future Water Quality
 - Utilize monitoring data from the monitoring plan and treatment plant discharge
- Task 5 – Antidegradation Analysis
- Task 6 – Technical Memo Submission

Goal: 2020 SNMP Complete by December 2020

Salt and Nutrient
Management Plan (SNMP)

Monitoring Cooperative Services Agreement



Norris Brandt

Administrator

Agreement Benefits

- Basin-wide monitoring
- Water quantity and quality
- Synergy and economies of scale with existing groundwater basin monitoring
- Production/submittal of annual report
- Data to support alternative salt/nutrient management approaches/facilities



Agreement Provisions



- Four recycling agencies – City, MNWD, SMWD, TCWD
- Implement 2014 SNMP Work Plan, or as updated
- Work performed by in-kind services and SJBA consultant
- Group review of monitoring work and responsibilities for following Calendar Year (CY – initially 2021) – by March 1
- Group review of budget – by March 1
- Written approval of individual responsibilities – by May 1
- All work completed by March 31 of following year

Agreement Provisions (contd)



- Cost allocation – recycled water usage in prior calendar year by hydrologic subarea, per SOCWA annual report
- Invoices sent by September 30 for following CY
- Term – 5 years, extension by amendment
- Termination – by unanimous consent of all
- Withdrawal by individual party
 - 90-day notice; reimburse entire fiscal year of effective date
 - Individual party is responsible for compliance
 - Withdrawal noted in annual report

Other



- Approval is for following calendar year (CY) --CY 2021
- Costs budgeted on a fiscal year basis (Jul/Jun) --FY 2020/21
- Monitoring performed January thru December -- CY 2021
- Annual report submitted in June --June 2022
- Consultant contract (18 months) --Jan 2021 thru Jun 2022
- Plan/work/report (30 months) --Jan 2020 thru Jun 2022
- Approval of Agreement is approval of immediate participation (first invoice – September 2020, for CY 2021)

Cost Allocations

- Based on recycled water usage within Hydrologic Subarea (HSA) within the prior calendar year
- Applied on a fiscal year basis (CY 2019 for FY 2020/21)
- FY 2020/21



	<u>SMWD</u>	<u>MNWD</u>	<u>CSJC</u>	<u>TCWD</u>
2019 Recycled Water Use (AF)	5,364	1,370	553	600
Proportion of Total Use (%)	68.0%	17.4%	7.0%	7.6%
Cost Allocation (\$)	\$110,840	\$28,362	\$11,410	\$12,388
	TCWD Portion of SJBA Admin Costs			<u>\$4,800</u>
	Total TCWD FY 2020/21 Contribution			<u>\$17,188</u>

San Juan Basin Authority
Salt and Nutrient Management Plan (SNMP) Cooperative Agreement
FY 2020/21 SNMP Budget

Reflects Budget Approved by SJBA Board on: August 11, 2020

Item No.	G/L	Activity/Expense Name	Line Item Description	Approved	Proposed	Increase/ (Decrease)	City of SJC	MNWD	SMWD	SCWD	TCWD	City of SJC	MNWD	SMWD	SCWD	TCWD
				FY 2020-21 Budget	Updated FY 2020-21 Budget											
SJBA Administration Costs (All Categories and Activities)																
A-1	9110	Administrative Services	Administrator (Brandt)	\$ 110,000	\$ 110,000	\$ -	24.5%	24.5%	24.5%	24.5%	2.0%	\$ 26,950	\$ 26,950	\$ 26,950	\$ 26,950	\$ 2,200
A-2	9110	Administrative Services	Administrative Assistance	\$ 20,000	\$ 20,000	\$ -	24.5%	24.5%	24.5%	24.5%	2.0%	\$ 4,900	\$ 4,900	\$ 4,900	\$ 4,900	\$ 400
A-3	9110	Financial Services	Accounting Services	\$ 22,000	\$ 22,000	\$ -	24.5%	24.5%	24.5%	24.5%	2.0%	\$ 5,390	\$ 5,390	\$ 5,390	\$ 5,390	\$ 440
A-4	9110	Audit Services	Annual audit	\$ 9,000	\$ 9,000	\$ -	24.5%	24.5%	24.5%	24.5%	2.0%	\$ 2,205	\$ 2,205	\$ 2,205	\$ 2,205	\$ 180
A-5	9110	Legal Services	General Counsel (Stradling)-Approved	\$ 50,000	\$ 50,000	\$ -	24.5%	24.5%	24.5%	24.5%	2.0%	\$ 12,250	\$ 12,250	\$ 12,250	\$ 12,250	\$ 1,000
A-6	9110	Legal Services	General Counsel (Stradling)-Reserve	\$ -	\$ -	\$ -	24.5%	24.5%	24.5%	24.5%	2.0%	\$ -	\$ -	\$ -	\$ -	\$ -
A-7	9110	Legal Services	Special Counsel (Evertz)	\$ 10,000	\$ 10,000	\$ -	25.0%	25.0%	25.0%	25.0%	0.0%	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ -
A-8	9110	Secretarial Services	Board meeting recording secretary	\$ 4,000	\$ 4,000	\$ -	24.5%	24.5%	24.5%	24.5%	2.0%	\$ 980	\$ 980	\$ 980	\$ 980	\$ 80
A-9	9110	Arundo Retreatment/Maintenance	Followup to County work after grants expire	\$ 10,000	\$ 10,000	\$ -	25.0%	25.0%	25.0%	25.0%	0.0%	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ -
A-10	9110	WQIP Flow-Ecology Study	SJBA consultant time/advice	\$ 25,000	\$ 25,000	\$ -	24.5%	24.5%	24.5%	24.5%	2.0%	\$ 6,125	\$ 6,125	\$ 6,125	\$ 6,125	\$ 500
A-11	9110	SOCWMA Cooperative Agreement	Annual participation fee	\$ 11,500	\$ 11,500	\$ -	25.0%	25.0%	25.0%	25.0%	0.0%	\$ 2,875	\$ 2,875	\$ 2,875	\$ 2,875	\$ -
Subtotal				\$ 271,500	\$ 271,500	\$ -						\$ 66,675	\$ 66,675	\$ 66,675	\$ 66,675	\$ 4,800
Recycled Water Support Activities (SNMP-Related)																
B-5	9170	Basin Plan Amendment	Administrator (Brandt)	\$ 3,000	\$ 3,000	\$ -	7.0%	17.4%	68.0%	0.0%	7.6%	\$ 210	\$ 522	\$ 2,040	\$ -	\$ 228
B-6	9170	Basin Plan Amendment	Technical Consultation	\$ 5,000	\$ 5,000	\$ -	7.0%	17.4%	68.0%	0.0%	7.6%	\$ 350	\$ 870	\$ 3,400	\$ -	\$ 380
B-7	9170	Monitoring	General Counsel (Stradling)	\$ 13,000	\$ 13,000	\$ -	7.0%	17.4%	68.0%	0.0%	7.6%	\$ 910	\$ 2,262	\$ 8,840	\$ -	\$ 988
B-8	9170	Monitoring	Monitoring Well Reconnaissance	\$ 5,000	\$ 5,000	\$ -	7.0%	17.4%	68.0%	0.0%	7.6%	\$ 350	\$ 870	\$ 3,400	\$ -	\$ 380
B-9	9170	Monitoring	Proactive Monitoring Well Maintenance	\$ 57,700	\$ 40,000	\$ (17,700)	7.0%	17.4%	68.0%	0.0%	7.6%	\$ 2,800	\$ 6,960	\$ 27,200	\$ -	\$ 3,040
B-10	9170	Monitoring	2020 2nd Half SNMP Monitoring (WEI)	\$ 59,000	\$ 59,000	\$ -	7.0%	17.4%	68.0%	0.0%	7.6%	\$ 4,130	\$ 10,266	\$ 40,120	\$ -	\$ 4,484
B-11	9170	Monitoring	2021 1st Half SNMP Monitoring	\$ 38,000	\$ 38,000	\$ -	7.0%	17.4%	68.0%	0.0%	7.6%	\$ 2,660	\$ 6,612	\$ 25,840	\$ -	\$ 2,888
Subtotal				\$ 180,700	\$ 163,000	\$ (17,700)						\$ 11,410	\$ 28,362	\$ 110,840	\$ -	\$ 12,388
Total (SJBA Admin + SNMP)												\$ 78,085	\$ 95,037	\$ 177,515	\$ 66,675	\$ 17,188